

Certificate of Calibration - Wind Monitoring Station

Description: Yau Lai Estate, Bik Lai House
Manufacturer: Davis Instruments
Model No.: Davis7440
Serial No.: MC01010A44
Equipment No.: SA-03-04
Date of Calibration 17-Feb-2026
Next Due Date 17-Aug-2026

1. Performance check of Wind Speed

Wind Speed, m/s		Difference D (m/s)
Wind Speed Reading (V1)	Anemometer Value (V2)	$D = V1 - V2$
0.0	0.0	0.0
1.5	1.5	0.0
2.5	2.5	0.0
4.0	4.1	-0.1

2. Performance check of Wind Direction

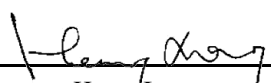
Wind Direction (°)		Difference D (°)
Wind Direction Reading (W1)	Marine Compass Value (W2)	$D = W1 - W2$
0	0	0.0
90	90	0.0
180	180	0.0
270	270	0.0

Test Specification:**1. Performance Wind Speed Test - The wind meter was on-site calibrated against the anemometer****2. Performance Wind Direction Test - The wind meter was on-site calibrated against the marine compass at four direction**

Calibrated by:


Wong Shing Kwai

Approved by:


Henry Leung



Certificate of Calibration

Calibration Certification Information

Cal. Date: January 7, 2026 Rootsmeter S/N: 438320 Ta: 294 °K
Operator: Jim Tisch Pa: 749.0 mm Hg
Calibration Model #: TE-5025A Calibrator S/N: **3864**

Run	Vol. Init (m3)	Vol. Final (m3)	ΔVol. (m3)	ΔTime (min)	ΔP (mm Hg)	ΔH (in H2O)
1	1	2	1	1.4310	3.2	2.00
2	3	4	1	1.0260	6.4	4.00
3	5	6	1	0.9150	7.9	5.00
4	7	8	1	0.8730	8.8	5.50
5	9	10	1	0.7200	12.8	8.00

Data Tabulation

Vstd (m3)	Qstd (x-axis)	$\sqrt{\Delta H \left(\frac{Pa}{Pstd} \right) \left(\frac{Tstd}{Ta} \right)}$ (y-axis)	Va	Qa (x-axis)	$\sqrt{\Delta H \left(\frac{Ta}{Pa} \right)}$ (y-axis)
0.9947	0.6951	1.4135	0.9957	0.6958	0.8860
0.9905	0.9654	1.9990	0.9915	0.9663	1.2530
0.9885	1.0803	2.2349	0.9895	1.0814	1.4009
0.9873	1.1309	2.3440	0.9883	1.1320	1.4693
0.9819	1.3638	2.8270	0.9829	1.3652	1.7720
QSTD	m=	2.11337	QA	m=	1.32336
	b=	-0.04919		b=	-0.03083
	r=	0.99993		r=	0.99993

Calculations

Vstd =	$\Delta Vol((Pa-\Delta P)/Pstd)(Tstd/Ta)$	Va =	$\Delta Vol((Pa-\Delta P)/Pa)$
Qstd =	$Vstd/\Delta Time$	Qa =	$Va/\Delta Time$
For subsequent flow rate calculations:			
Qstd = $1/m \left(\left(\sqrt{\Delta H \left(\frac{Pa}{Pstd} \right) \left(\frac{Tstd}{Ta} \right)} \right) - b \right)$		Qa = $1/m \left(\left(\sqrt{\Delta H \left(\frac{Ta}{Pa} \right)} \right) - b \right)$	

Standard Conditions

Tstd:	298.15 °K
Pstd:	760 mm Hg
Key	
ΔH: calibrator manometer reading (in H2O)	
ΔP: rootsmeter manometer reading (mm Hg)	
Ta: actual absolute temperature (°K)	
Pa: actual barometric pressure (mm Hg)	
b: intercept	
m: slope	

RECALIBRATION

US EPA recommends annual recalibration per 1998 40 Code of Federal Regulations Part 50 to 51, Appendix B to Part 50, Reference Method for the Determination of Suspended Particulate Matter in the Atmosphere, 9.2.17, page 30

High-Volume TSP Sampler

5-POINT CALIBRATION DATA SHEET



File No. MA16034/05/0059

Project No. AM1 - Tin Hau Temple

Date: 10-Apr-26 Next Due Date: 10-Jun-26 Operator: SK

Equipment No.: A-01-05 Model No.: GS2310 Serial No. 10599

Ambient Condition			
Temperature, Ta (K)	<u>299.7</u>	Pressure, Pa (mmHg)	<u>757.5</u>

Orifice Transfer Standard Information					
Serial No.	<u>3864</u>	Slope, mc	<u>0.05980</u>	Intercept, bc	<u>-0.04908</u>
Last Calibration Date:	<u>7-Jan-26</u>	$mc \times Qstd + bc = [\Delta H \times (Pa/760) \times (298/Ta)]^{1/2}$			
Next Calibration Date:	<u>7-Jan-27</u>	$Qstd = \{[\Delta H \times (Pa/760) \times (298/Ta)]^{1/2} - bc\} / mc$			

Calibration of TSP Sampler					
Calibration Point	Orifice			HVS	
	ΔH (orifice), in. of water	$[\Delta H \times (Pa/760) \times (298/Ta)]^{1/2}$	Qstd (CFM) X - axis	ΔW (HVS), in. of water	$[\Delta W \times (Pa/760) \times (298/Ta)]^{1/2}$ Y-axis
1	<u>12.3</u>	<u>3.49</u>	<u>59.21</u>	<u>8.1</u>	<u>2.83</u>
2	<u>10.2</u>	<u>3.18</u>	<u>53.99</u>	<u>5.4</u>	<u>2.31</u>
3	<u>7.1</u>	<u>2.65</u>	<u>45.18</u>	<u>3.6</u>	<u>1.89</u>
4	<u>5.0</u>	<u>2.23</u>	<u>38.05</u>	<u>2.6</u>	<u>1.61</u>
5	<u>2.3</u>	<u>1.51</u>	<u>26.07</u>	<u>1.2</u>	<u>1.09</u>

By Linear Regression of Y on X

Slope, mw = 0.0501 Intercept, bw = -0.2822

Correlation coefficient* = 0.9865

*If Correlation Coefficient < 0.990, check and recalibrate.

Set Point Calculation	
From the TSP Field Calibration Curve, take Qstd = 43 CFM	
From the Regression Equation, the "Y" value according to	
$mw \times Qstd + bw = [\Delta W \times (Pa/760) \times (298/Ta)]^{1/2}$	
Therefore, Set Point; $W = (mw \times Qstd + bw)^2 \times (760 / Pa) \times (Ta / 298) =$ <u>3.53</u>	

Remarks: _____

Conducted by: Wong Shing Kwai Signature: Date: 10-Apr-26

Checked by: Henry Leung Signature: Date: 10-Apr-26

High-Volume TSP Sampler

5-POINT CALIBRATION DATA SHEET



File No. MA16034/05/0059

Project No. AM1 - Tin Hau Temple

Date: 10-Jun-26 Next Due Date: 10-Aug-26 Operator: SK

Equipment No.: A-01-05 Model No.: GS2310 Serial No. 10599

Ambient Condition			
Temperature, Ta (K)	<u>299.7</u>	Pressure, Pa (mmHg)	<u>757.5</u>

Orifice Transfer Standard Information					
Serial No.	<u>3864</u>	Slope, mc	<u>0.05980</u>	Intercept, bc	<u>-0.04908</u>
Last Calibration Date:	<u>7-Jan-26</u>	$mc \times Qstd + bc = [\Delta H \times (Pa/760) \times (298/Ta)]^{1/2}$			
Next Calibration Date:	<u>7-Jan-27</u>	$Qstd = \{[\Delta H \times (Pa/760) \times (298/Ta)]^{1/2} - bc\} / mc$			

Calibration of TSP Sampler					
Calibration Point	Orifice			HVS	
	ΔH (orifice), in. of water	$[\Delta H \times (Pa/760) \times (298/Ta)]^{1/2}$	Qstd (CFM) X - axis	ΔW (HVS), in. of water	$[\Delta W \times (Pa/760) \times (298/Ta)]^{1/2}$ Y-axis
1	<u>12.2</u>	<u>3.48</u>	<u>58.97</u>	<u>8.2</u>	<u>2.85</u>
2	<u>10.1</u>	<u>3.16</u>	<u>53.73</u>	<u>5.3</u>	<u>2.29</u>
3	<u>7.2</u>	<u>2.67</u>	<u>45.49</u>	<u>3.5</u>	<u>1.86</u>
4	<u>5.1</u>	<u>2.25</u>	<u>38.42</u>	<u>2.7</u>	<u>1.64</u>
5	<u>2.2</u>	<u>1.48</u>	<u>25.51</u>	<u>1.1</u>	<u>1.04</u>

By Linear Regression of Y on X

Slope, mw = 0.0508 Intercept, bw = -0.3200

Correlation coefficient* = 0.9821

*If Correlation Coefficient < 0.990, check and recalibrate.

Set Point Calculation	
From the TSP Field Calibration Curve, take Qstd = 43 CFM	
From the Regression Equation, the "Y" value according to	
$mw \times Qstd + bw = [\Delta W \times (Pa/760) \times (298/Ta)]^{1/2}$	
Therefore, Set Point; $W = (mw \times Qstd + bw)^2 \times (760 / Pa) \times (Ta / 298) =$ <u>3.51</u>	

Remarks: _____

Conducted by: Wong Shing Kwai Signature: Date: 10-Jun-26

Checked by: Henry Leung Signature: Date: 10-Jun-26

High-Volume TSP Sampler

5-POINT CALIBRATION DATA SHEET



File No. MA16034/08/0059

Project No. AM2 - Sai Tso Wan Recreation Ground

Date: 10-Apr-26 Next Due Date: 10-Jun-26 Operator: SK

Equipment No.: A-01-08 Model No.: GS2310 Serial No. 1287

Ambient Condition			
Temperature, Ta (K)	<u>299.7</u>	Pressure, Pa (mmHg)	<u>757.5</u>

Orifice Transfer Standard Information					
Serial No.	<u>3864</u>	Slope, mc	<u>0.05980</u>	Intercept, bc	<u>-0.04908</u>
Last Calibration Date:	<u>7-Jan-26</u>	$mc \times Qstd + bc = [\Delta H \times (Pa/760) \times (298/Ta)]^{1/2}$			
Next Calibration Date:	<u>7-Jan-27</u>	$Qstd = \{[\Delta H \times (Pa/760) \times (298/Ta)]^{1/2} - bc\} / mc$			

Calibration of TSP Sampler					
Calibration Point	Orifice			HVS	
	ΔH (orifice), in. of water	$[\Delta H \times (Pa/760) \times (298/Ta)]^{1/2}$	Qstd (CFM) X - axis	ΔW (HVS), in. of water	$[\Delta W \times (Pa/760) \times (298/Ta)]^{1/2}$ Y-axis
1	<u>13.4</u>	<u>3.64</u>	<u>61.76</u>	<u>9.2</u>	<u>3.02</u>
2	<u>10.2</u>	<u>3.18</u>	<u>53.99</u>	<u>6.4</u>	<u>2.52</u>
3	<u>7.5</u>	<u>2.73</u>	<u>46.41</u>	<u>4.7</u>	<u>2.16</u>
4	<u>5.4</u>	<u>2.31</u>	<u>39.51</u>	<u>2.6</u>	<u>1.61</u>
5	<u>3.1</u>	<u>1.75</u>	<u>30.13</u>	<u>1.4</u>	<u>1.18</u>

By Linear Regression of Y on X

Slope, mw = 0.0590 Intercept, bw = -0.6375

Correlation coefficient* = 0.9968

*If Correlation Coefficient < 0.990, check and recalibrate.

Set Point Calculation	
From the TSP Field Calibration Curve, take Qstd = 43 CFM	
From the Regression Equation, the "Y" value according to	
$mw \times Qstd + bw = [\Delta W \times (Pa/760) \times (298/Ta)]^{1/2}$	
Therefore, Set Point; W = $(mw \times Qstd + bw)^2 \times (760 / Pa) \times (Ta / 298) =$ <u>3.63</u>	

Remarks: _____

Conducted by: Wong Shing Kwai Signature: Date: 10-Apr-26

Checked by: Henry Leung Signature: Date: 10-Apr-26

High-Volume TSP Sampler

5-POINT CALIBRATION DATA SHEET



File No. MA16034/08/0060

Project No. AM2 - Sai Tso Wan Recreation Ground

Date: 10-Jun-26 Next Due Date: 10-Aug-26 Operator: SK

Equipment No.: A-01-08 Model No.: GS2310 Serial No. 1287

Ambient Condition			
Temperature, Ta (K)	<u>299.3</u>	Pressure, Pa (mmHg)	<u>756.4</u>

Orifice Transfer Standard Information					
Serial No.	<u>3864</u>	Slope, mc	<u>0.05980</u>	Intercept, bc	<u>-0.04908</u>
Last Calibration Date:	<u>7-Jan-26</u>	$mc \times Qstd + bc = [\Delta H \times (Pa/760) \times (298/Ta)]^{1/2}$			
Next Calibration Date:	<u>7-Jan-27</u>	$Qstd = \{[\Delta H \times (Pa/760) \times (298/Ta)]^{1/2} - bc\} / mc$			

Calibration of TSP Sampler					
Calibration Point	Orifice			HVS	
	ΔH (orifice), in. of water	$[\Delta H \times (Pa/760) \times (298/Ta)]^{1/2}$	Qstd (CFM) X - axis	ΔW (HVS), in. of water	$[\Delta W \times (Pa/760) \times (298/Ta)]^{1/2}$ Y-axis
1	<u>13.3</u>	<u>3.63</u>	<u>61.53</u>	<u>9.2</u>	<u>3.02</u>
2	<u>10.2</u>	<u>3.18</u>	<u>53.99</u>	<u>6.3</u>	<u>2.50</u>
3	<u>7.6</u>	<u>2.74</u>	<u>46.71</u>	<u>4.6</u>	<u>2.14</u>
4	<u>5.3</u>	<u>2.29</u>	<u>39.14</u>	<u>2.5</u>	<u>1.57</u>
5	<u>3.0</u>	<u>1.72</u>	<u>29.65</u>	<u>1.5</u>	<u>1.22</u>

By Linear Regression of Y on X

Slope, mw = 0.0573 Intercept, bw = -0.5588

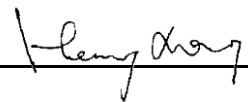
Correlation coefficient* = 0.9945

*If Correlation Coefficient < 0.990, check and recalibrate.

Set Point Calculation	
From the TSP Field Calibration Curve, take Qstd = 43 CFM	
From the Regression Equation, the "Y" value according to	
$mw \times Qstd + bw = [\Delta W \times (Pa/760) \times (298/Ta)]^{1/2}$	
Therefore, Set Point; W = $(mw \times Qstd + bw)^2 \times (760 / Pa) \times (Ta / 298) =$ <u>3.66</u>	

Remarks: _____

Conducted by: Wong Shing Kwai Signature:  Date: 10-Jun-26

Checked by: Henry Leung Signature:  Date: 10-Jun-26

High-Volume TSP Sampler

5-POINT CALIBRATION DATA SHEET



File No. MA16034/03/0059

Project No. AM3 - Yau Lai Estate, Bik Lai House

Date: 10-Apr-26 Next Due Date: 10-Jun-26 Operator: SK

Equipment No.: A-01-03 Model No.: GS2310 Serial No. 10379

Ambient Condition			
Temperature, Ta (K)	<u>299.7</u>	Pressure, Pa (mmHg)	<u>757.5</u>

Orifice Transfer Standard Information					
Serial No.	<u>3864</u>	Slope, mc	<u>0.05980</u>	Intercept, bc	<u>-0.04908</u>
Last Calibration Date:	<u>7-Jan-26</u>	$mc \times Qstd + bc = [\Delta H \times (Pa/760) \times (298/Ta)]^{1/2}$			
Next Calibration Date:	<u>7-Jan-27</u>	$Qstd = \{[\Delta H \times (Pa/760) \times (298/Ta)]^{1/2} - bc\} / mc$			

Calibration of TSP Sampler					
Calibration Point	Orifice			HVS	
	ΔH (orifice), in. of water	$[\Delta H \times (Pa/760) \times (298/Ta)]^{1/2}$	Qstd (CFM) X - axis	ΔW (HVS), in. of water	$[\Delta W \times (Pa/760) \times (298/Ta)]^{1/2}$ Y-axis
1	<u>13.7</u>	<u>3.68</u>	<u>62.44</u>	<u>8.7</u>	<u>2.94</u>
2	<u>11.1</u>	<u>3.32</u>	<u>56.28</u>	<u>6.2</u>	<u>2.48</u>
3	<u>7.5</u>	<u>2.73</u>	<u>46.41</u>	<u>4.1</u>	<u>2.02</u>
4	<u>5.4</u>	<u>2.31</u>	<u>39.51</u>	<u>2.6</u>	<u>1.61</u>
5	<u>3.1</u>	<u>1.75</u>	<u>30.13</u>	<u>1.2</u>	<u>1.09</u>

By Linear Regression of Y on X

Slope, mw = 0.0559 Intercept, bw = -0.5988

Correlation coefficient* = 0.9983

*If Correlation Coefficient < 0.990, check and recalibrate.

Set Point Calculation	
From the TSP Field Calibration Curve, take Qstd = 43 CFM	
From the Regression Equation, the "Y" value according to	
$mw \times Qstd + bw = [\Delta W \times (Pa/760) \times (298/Ta)]^{1/2}$	
Therefore, Set Point; $W = (mw \times Qstd + bw)^2 \times (760 / Pa) \times (Ta / 298) =$ <u>3.29</u>	

Remarks: _____

Conducted by: Wong Shing Kwai Signature: [Signature] Date: 10-Apr-26

Checked by: Henry Leung Signature: [Signature] Date: 10-Apr-26

High-Volume TSP Sampler

5-POINT CALIBRATION DATA SHEET



File No. MA16034/03/0060

Project No. AM3 - Yau Lai Estate, Bik Lai House

Date: 10-Jun-26 Next Due Date: 10-Aug-26 Operator: SK

Equipment No.: A-01-03 Model No.: GS2310 Serial No. 10379

Ambient Condition			
Temperature, Ta (K)	<u>299.3</u>	Pressure, Pa (mmHg)	<u>756.4</u>

Orifice Transfer Standard Information					
Serial No.	<u>3864</u>	Slope, mc	<u>0.05980</u>	Intercept, bc	<u>-0.04908</u>
Last Calibration Date:	<u>7-Jan-26</u>	$mc \times Qstd + bc = [\Delta H \times (Pa/760) \times (298/Ta)]^{1/2}$			
Next Calibration Date:	<u>7-Jan-27</u>	$Qstd = \{[\Delta H \times (Pa/760) \times (298/Ta)]^{1/2} - bc\} / mc$			

Calibration of TSP Sampler					
Calibration Point	Orifice			HVS	
	ΔH (orifice), in. of water	$[\Delta H \times (Pa/760) \times (298/Ta)]^{1/2}$	Qstd (CFM) X - axis	ΔW (HVS), in. of water	$[\Delta W \times (Pa/760) \times (298/Ta)]^{1/2}$ Y-axis
1	<u>13.6</u>	<u>3.67</u>	<u>62.21</u>	<u>8.6</u>	<u>2.92</u>
2	<u>11.2</u>	<u>3.33</u>	<u>56.53</u>	<u>6.1</u>	<u>2.46</u>
3	<u>7.4</u>	<u>2.71</u>	<u>46.10</u>	<u>4.2</u>	<u>2.04</u>
4	<u>5.3</u>	<u>2.29</u>	<u>39.14</u>	<u>2.6</u>	<u>1.61</u>
5	<u>3.1</u>	<u>1.75</u>	<u>30.13</u>	<u>1.1</u>	<u>1.04</u>

By Linear Regression of Y on X

Slope, mw = 0.0561 Intercept, bw = -0.6147

Correlation coefficient* = 0.9958

*If Correlation Coefficient < 0.990, check and recalibrate.

Set Point Calculation	
From the TSP Field Calibration Curve, take Qstd = 43 CFM	
From the Regression Equation, the "Y" value according to	
$mw \times Qstd + bw = [\Delta W \times (Pa/760) \times (298/Ta)]^{1/2}$	
Therefore, Set Point; $W = (mw \times Qstd + bw)^2 \times (760 / Pa) \times (Ta / 298) =$ <u>3.27</u>	

Remarks: _____

Conducted by: Wong Shing Kwai Signature: [Signature] Date: 10-Jun-26

Checked by: Henry Leung Signature: [Signature] Date: 10-Jun-26

High-Volume TSP Sampler

5-POINT CALIBRATION DATA SHEET



File No. MA20003/55/038

Project No. CKL 2 - Flat 103 Cha Kwo Ling Village

Date: 4-May-26

Next Due Date: 4-Jul-26

Operator: SK

Equipment No.: A-01-55

Model No.: TE 5170

Serial No. 1956

Ambient Condition

Temperature, Ta (K)

295.5

Pressure, Pa (mmHg)

758.1

Orifice Transfer Standard Information

Serial No.

3864

Slope, mc

0.05980

Intercept, bc

-0.04908

Last Calibration Date:

7-Jan-26

$$mc \times Qstd + bc = [\Delta H \times (Pa/760) \times (298/Ta)]^{1/2}$$

Next Calibration Date:

7-Jan-27

$$Qstd = \{[\Delta H \times (Pa/760) \times (298/Ta)]^{1/2} - bc\} / mc$$

Calibration of TSP Sampler

Calibration Point

Orifice

HVS

ΔH (orifice),
in. of water

$[\Delta H \times (Pa/760) \times (298/Ta)]^{1/2}$

Qstd (CFM)
X - axis

ΔW (HVS), in.
of water

$[\Delta W \times (Pa/760) \times (298/Ta)]^{1/2}$
Y-axis

1

13.5

3.69

62.44

9.6

3.11

2

11.1

3.34

56.70

7.0

2.65

3

9.5

3.09

52.52

5.3

2.31

4

5.0

2.24

38.32

2.8

1.68

5

3.4

1.85

31.75

1.7

1.31

By Linear Regression of Y on X

Slope, mw = 0.0560

Intercept, bw = -0.4970

Correlation coefficient* = 0.9924

*If Correlation Coefficient < 0.990, check and recalibrate.

Set Point Calculation

From the TSP Field Calibration Curve, take Qstd = 43 CFM

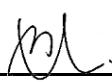
From the Regression Equation, the "Y" value according to

$$mw \times Qstd + bw = [\Delta W \times (Pa/760) \times (298/Ta)]^{1/2}$$

Therefore, Set Point; W = $(mw \times Qstd + bw)^2 \times (760 / Pa) \times (Ta / 298) =$ 3.63

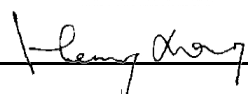
Remarks:

Conducted by: Wong Shing Kwai

Signature: 

Date: 4-May-26

Checked by: Henry Leung

Signature: 

Date: 4-May-26

Certificate of Calibration

It is certified that the item under calibration has been calibrated by corresponding calibrated High Volume Sampler

Description: Digital Dust Indicator Date of Calibration 29-May-26
 Manufacturer: Sibata Scientific Technology LTD. Validity of Calibration Record 29-Jul-26
 Model No.: LD-5R
 Serial No.: 8Y2373
 Equipment No.: SA-01-05 Sensitivity 0.001 mg/m3
 High Volume Sampler No.: A-01-03 Before Sensitivity Adjustment 657
 Tisch Calibration Orifice No.: 3864 After Sensitivity Adjustment 657

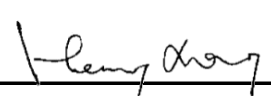
Calibration of 1 hr TSP		
Calibration Point	Laser Dust Monitor	HVS
	Mass Concentration ($\mu\text{g}/\text{m}^3$) X-axis	Mass concentration ($\mu\text{g}/\text{m}^3$) Y-axis
1	80.0	136.0
2	64.0	115.0
3	53.0	93.0
Average	65.7	114.7
By Linear Regression of Y on X Slope, mw = <u>1.5723</u> Intercept, bw = <u>11.4168</u> Correlation coefficient* = <u>0.9928</u>		
Set Correlation Factor		
Particulate Concentration by High Volume Sampler ($\mu\text{g}/\text{m}^3$)		114.7
Particulate Concentration by Dust Meter ($\mu\text{g}/\text{m}^3$)		65.7
Measureing time, (min)		60.0
Set Correlation Factor, SCF		
SCF = [K=High Volume Sampler / Dust Meter, ($\mu\text{g}/\text{m}^3$)]		<u>1.7</u>

In-house method in according to the instruction manual:

The Dust Monitor was compared with a calibrated High Volume Sampler and The result was used to generate the Correlation Factor (CF) between the Dust Monitor and High Volume Sampler.

Those filter papers are weighted by HOKLAS laboratory (HPCT Litimed)

Calibrated by: 
 Technical Officer (Wong Shing Kwai)

Approved by: 
 Project Manager (Henry Leung)

Certificate of Calibration

It is certified that the item under calibration has been calibrated by corresponding calibrated High Volume Sampler

Description: Digital Dust Indicator Date of Calibration 29-May-26
 Manufacturer: Sibata Scientific Technology LTD. Validity of Calibration Record 29-Jul-26
 Model No.: LD-5R
 Serial No.: 972777
 Equipment No.: SA-01-06 Sensitivity 0.001 mg/m3
 High Volume Sampler No.: A-01-03 Before Sensitivity Adjustment 645
 Tisch Calibration Orifice No.: 3864 After Sensitivity Adjustment 645

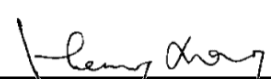
Calibration of 1 hr TSP		
Calibration Point	Laser Dust Monitor	HVS
	Mass Concentration ($\mu\text{g}/\text{m}^3$) X-axis	Mass concentration ($\mu\text{g}/\text{m}^3$) Y-axis
1	76.0	132.0
2	54.0	115.0
3	47.0	107.0
Average	59.0	118.0
By Linear Regression of Y on X Slope, mw = <u>0.8406</u> Intercept, bw = <u>68.4039</u> Correlation coefficient* = <u>0.9964</u>		
Set Correlation Factor		
Particulate Concentration by High Volume Sampler ($\mu\text{g}/\text{m}^3$)		118.0
Particulate Concentration by Dust Meter ($\mu\text{g}/\text{m}^3$)		59.0
Measuring time, (min)		60.0
Set Correlation Factor, SCF		
SCF = [K=High Volume Sampler / Dust Meter, ($\mu\text{g}/\text{m}^3$)]		<u>2.0</u>

In-house method in according to the instruction manual:

The Dust Monitor was compared with a calibrated High Volume Sampler and The result was used to generate the Correlation Factor (CF) between the Dust Monitor and High Volume Sampler.

Those filter papers are weighted by HOKLAS laboratory (HPCT Limited)

Calibrated by: 
 Technical Officer (Wong Shing Kwai)

Approved by: 
 Project Manager (Henry Leung)

Certificate of Calibration

It is certified that the item under calibration has been calibrated by corresponding calibrated High Volume Sampler

Description: Digital Dust Indicator Date of Calibration 29-May-26
 Manufacturer: Sibata Scientific Technology LTD. Validity of Calibration Record 29-Jul-26
 Model No.: LD-5R
 Serial No.: 972778
 Equipment No.: SA-01-07 Sensitivity 0.001 mg/m3
 High Volume Sampler No.: A-01-03 Before Sensitivity Adjustment 735 CPM
 Tisch Calibration Orifice No.: 3864 After Sensitivity Adjustment 735 CPM

Calibration of 1 hr TSP		
Calibration Point	Laser Dust Monitor	HVS
	Mass Concentration ($\mu\text{g}/\text{m}^3$) X-axis	Mass concentration ($\mu\text{g}/\text{m}^3$) Y-axis
1	78.0	145.0
2	66.0	117.0
3	52.0	104.0
Average	65.3	122.0
By Linear Regression of Y on X Slope, mw = <u>1.5591</u> Intercept, bw = <u>20.1417</u> Correlation coefficient* = <u>0.9683</u>		
Set Correlation Factor		
Particulate Concentration by High Volume Sampler ($\mu\text{g}/\text{m}^3$)		122.0
Particulate Concentration by Dust Meter ($\mu\text{g}/\text{m}^3$)		65.3
Measuring time, (min)		60.0
Set Correlation Factor, SCF		
SCF = [K=High Volume Sampler / Dust Meter, ($\mu\text{g}/\text{m}^3$)]		<u>1.9</u>

In-house method in according to the instruction manual:

The Dust Monitor was compared with a calibrated High Volume Sampler and The result was used to generate the Correlation Factor (CF) between the Dust Monitor and High Volume Sampler.

Those filter papers are weighted by HOKLAS laboratory (HPCT Limited)

Calibrated by: 
 Technical Officer (Wong Shing Kwai)

Approved by: 
 Project Manager (Henry Leung)

Certificate of Calibration

It is certified that the item under calibration has been calibrated by corresponding calibrated High Volume Sampler

Description: Digital Dust Indicator Date of Calibration 29-May-26
 Manufacturer: Sibata Scientific Technology LTD. Validity of Calibration Record 29-Jul-26
 Model No.: LD-5R
 Serial No.: 972779
 Equipment No.: SA-01-08 Sensitivity 0.001 mg/m3
 High Volume Sampler No.: A-01-03 Before Sensitivity Adjustment 744 CPM
 Tisch Calibration Orifice No.: 3864 After Sensitivity Adjustment 744 CPM

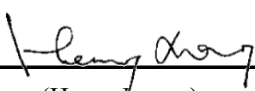
Calibration of 1 hr TSP		
Calibration Point	Laser Dust Monitor	HVS
	Mass Concentration ($\mu\text{g}/\text{m}^3$) X-axis	Mass concentration ($\mu\text{g}/\text{m}^3$) Y-axis
1	74.0	153.0
2	64.0	129.0
3	55.0	110.0
Average	64.3	130.7
By Linear Regression of Y on X Slope, mw = <u>2.2657</u> Intercept, bw = <u>-15.0923</u> Correlation coefficient* = <u>0.9993</u>		
Set Correlation Factor		
Particulate Concentration by High Volume Sampler ($\mu\text{g}/\text{m}^3$)		130.7
Particulate Concentration by Dust Meter ($\mu\text{g}/\text{m}^3$)		64.3
Measuring time, (min)		60.0
Set Correlation Factor, SCF		
SCF = [K=High Volume Sampler / Dust Meter, ($\mu\text{g}/\text{m}^3$)]		<u>2.0</u>

In-house method in according to the instruction manual:

The Dust Monitor was compared with a calibrated High Volume Sampler and The result was used to generate the Correlation Factor (CF) between the Dust Monitor and High Volume Sampler.

Those filter papers are weighted by HOKLAS laboratory (HPCT Limited)

Calibrated by: 
 Technical Officer (Wong Shing Kwai)

Approved by: 
 Project Manager (Henry Leung)

Certificate of Calibration

It is certified that the item under calibration has been calibrated by corresponding calibrated High Volume Sampler

Description: Digital Dust Indicator Date of Calibration 29-May-26
 Manufacturer: Sibata Scientific Technology LTD. Validity of Calibration Record 29-Jul-26
 Model No.: LD-5R
 Serial No.: 972780
 Equipment No.: SA-01-09 Sensitivity 0.001 mg/m3
 High Volume Sampler No.: A-01-03 Before Sensitivity Adjustment 739 CPM
 Tisch Calibration Orifice No.: 3864 After Sensitivity Adjustment 739 CPM

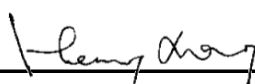
Calibration of 1 hr TSP		
Calibration Point	Laser Dust Monitor	HVS
	Mass Concentration ($\mu\text{g}/\text{m}^3$) X-axis	Mass concentration ($\mu\text{g}/\text{m}^3$) Y-axis
1	79.0	135.0
2	63.0	113.0
3	50.0	104.0
Average	64.0	117.3
By Linear Regression of Y on X Slope, mw = <u>1.0806</u> Intercept, bw = <u>48.1769</u> Correlation coefficient* = <u>0.9842</u>		
Set Correlation Factor		
Particulate Concentration by High Volume Sampler ($\mu\text{g}/\text{m}^3$)		117.3
Particulate Concentration by Dust Meter ($\mu\text{g}/\text{m}^3$)		64.0
Measuring time, (min)		60.0
Set Correlation Factor, SCF		
SCF = [K=High Volume Sampler / Dust Meter, ($\mu\text{g}/\text{m}^3$)]		<u>1.8</u>

In-house method in according to the instruction manual:

The Dust Monitor was compared with a calibrated High Volume Sampler and The result was used to generate the Correlation Factor (CF) between the Dust Monitor and High Volume Sampler.

Those filter papers are weighted by HOKLAS laboratory (HPCT Limited)

Calibrated by: 
 Technical Officer (Wong Shing Kwai)

Approved by: 
 Project Manager (Henry Leung)

High Precision Chemical Testing Ltd.

Rm 1904, Technology Park

18 On Lai Street, Shatin

NT, Hong Kong

Tel: +852 3841 4388 Website: <https://www.hpct.com.hk>

Report No. : 01353
Application No. : HP01158

Issue Date : 30 Dec 2025

Certificate of Calibration

Applicant : Cinotech Consultants Limited
RM 1710, Technology Park,
18 On Lai Street,
Shatin, N.T., Hong Kong

Sample Description : Submitted equipment stated to be Sound Level Calibrator.

Equipment No.: : N-16-01

Manufacturer: : Hangzhou Aihua Instruments Co., Ltd.

Other information :

Model No.	AWA6021A
Serial No.	1023253

Date Received : 24 Dec 2025

Test Period : 29 Dec 2025 to 29 Dec 2025

Test Requested : Performance checking for Sound Level Calibrator

Test Method : The Sound Level Meter and Calibrator has been calibrated in accordance with the documented procedures and using standard and instrument which are recommended by the manufacturer, or equivalent.

Test conditions : Room Temperature: 22-25 degree Celsius
Relative Humidity: 35-70%

Test Result : Refer to the test result(s) on page 2.

Remark : 1. Information of the sample description provided by the Applicant.
2. The result(s) relate only to the items tested or calibrated.

For and on behalf of
HIGH PRECISION CHEMICAL TESTING LIMITED

Lee Wai Kit
Laboratory Manager

High Precision Chemical Testing Ltd.

Rm 1904, Technology Park

18 On Lai Street, Shatin

NT, Hong Kong

Tel: +852 3841 4388 Website: <https://www.hpct.com.hk>

Report No. : 01353

Issue Date : 30 Dec 2025

Application No. : HP01158

Certificate of CalibrationMeasuring
equipment

Description	Sound Calibrator
Manufacturer	Brüel & Kjær
Model No.	TYPE 4231
Serial No.	2326353
Equipment No.	N-02-01

Description	Sound Meter
Manufacturer	BSWA Technology
Model No.	BSWA 308
Serial No.	580156
Microphone No.	580804
Equipment No.	N-12-06

Test Result :

Reference value, dB	Indication value, dB	Deviation, dB	Allowed deviation, dB
94.0	94.3	+ 0.3	± 0.3
114.0	114.3	+ 0.3	± 0.5

- Note** : 1. "Instrument Readings" presents the figures shown on item under calibration / checking regardless of equipment precision or significant figures.
2. The indication value was obtained from the average of ten replicated measurement.

- End of report -

High Precision Chemical Testing Ltd.

Rm 1904, Technology Park

18 On Lai Street, Shatin

NT, Hong Kong

Tel: +852 3841 4388 Website: <https://www.hpct.com.hk>

Report No. : 01347
Application No. : HP01154

Issue Date : 22 Dec 2025

Certificate of Calibration

Applicant : Cinotech Consultants Limited
RM 1710, Technology Park,
18 On Lai Street,
Shatin, N.T., Hong Kong

Sample Description : Submitted equipment stated to be Sound Level Calibrator.

Equipment No.: : N-16-02

Manufacturer: : Hangzhou Aihua Instruments Co., Ltd.

Other information :

Model No.	AWA6021A
Serial No.	1023064

Date Received : 22 Dec 2025

Test Period : 22 Dec 2025 to 22 Dec 2025

Test Requested : Performance checking for Sound Level Calibrator

Test Method : The Sound Level Meter and Calibrator has been calibrated in accordance with the documented procedures and using standard and instrument which are recommended by the manufacturer, or equivalent.

Test conditions : Room Temperature: 22-25 degree Celsius
Relative Humidity: 35-70%

Test Result : Refer to the test result(s) on page 2.

Remark : 1. Information of the sample description provided by the Applicant.
2. The result(s) relate only to the items tested or calibrated.

For and on behalf of
HIGH PRECISION CHEMICAL TESTING LIMITED

Lee Wai Kit
Laboratory Manager

High Precision Chemical Testing Ltd.

Rm 1904, Technology Park

18 On Lai Street, Shatin

NT, Hong Kong

Tel: +852 3841 4388 Website: <https://www.hpct.com.hk>

Report No. : 01347
Application No. : HP01154

Issue Date : 22 Dec 2025

Certificate of Calibration

Measuring
equipment

Description	Sound Calibrator
Manufacturer	Brüel & Kjær
Model No.	TYPE 4231
Serial No.	2326353
Equipment No.	N-02-01

Description	Sound Meter
Manufacturer	BSWA Technology
Model No.	BSWA 308
Serial No.	580156
Microphone No.	580804
Equipment No.	N-12-06

Test Result :

Reference value, dB	Indication value, dB	Deviation, dB	Allowed deviation, dB
94.0	94.2	+ 0.2	± 0.3
114.0	114.3	+ 0.3	± 0.5

Note : 1. "Instrument Readings" presents the figures shown on item under calibration / checking regardless of equipment precision or significant figures.
2. The indication value was obtained from the average of ten replicated measurement.

- End of report -

High Precision Chemical Testing Ltd.

Rm 1904, Technology Park

18 On Lai Street, Shatin

NT, Hong Kong

Tel: +852 3841 4388 Website: <https://www.hpct.com.hk>

Report No. : 01342
Application No. : HP01140

Issue Date : 19 Dec 2025

Certificate of Calibration

Applicant : Cinotech Consultants Limited
RM 1710, Technology Park,
18 On Lai Street,
Shatin, N.T., Hong Kong

Sample Description : Submitted equipment stated to be Integrating Sound Level Meter.

Equipment No.: : N-12-07

Manufacturer: : BSWA Technology

Other information	Model No.	BSWA 308
	Serial No.	620091
	Microphone No.	620230

Date Received : 12 Dec 2025

Test Period : 17 Dec 2025 to 17 Dec 2025

Test Requested : Performance checking for Sound Level Meter

Test Method : The Sound Level Calibrator has been calibrated in accordance with the documented procedures and using standard and instrument which are recommended by the manufacturer, or equivalent.

Test conditions : Room Temperature: 22-25 degree Celsius
Relative Humidity: 35-70%

Test Result : Refer to the test result(s) on page 2.

Remark : 1. Information of the sample description provided by the Applicant.
2. The result(s) relate only to the items tested or calibrated.

For and on behalf of
HIGH PRECISION CHEMICAL TESTING LIMITED

Lee Wai Kit
Laboratory Manager

High Precision Chemical Testing Ltd.

Rm 1904, Technology Park

18 On Lai Street, Shatin

NT, Hong Kong

Tel: +852 3841 4388 Website: <https://www.hpct.com.hk>

Report No. : 01342

Issue Date : 19 Dec 2025

Application No. : HP01140

Certificate of CalibrationMeasuring
equipment

Description	Sound Calibrator
Manufacturer	Brüel & Kjær
Model No.	TYPE 4231
Serial No.	2326353
Equipment No.	N-02-01

Test Result :

Reference value, dB	Indication value, dB	Deviation, dB	Allowed deviation, dB
94.0	94.1	+ 0.1	± 1.5
114.0	114.2	+ 0.2	± 1.5

- Note** : 1. "Instrument Readings" presents the figures shown on item under calibration / checking regardless of equipment precision or significant figures.
2. The indication value was obtained from the average of ten replicated measurement.

- End of report -

High Precision Chemical Testing Ltd.

Rm 1904, Technology Park

18 On Lai Street, Shatin

NT, Hong Kong

Tel: +852 3841 4388 Website: <https://www.hpct.com.hk>



Report No. : 01343

Issue Date : 19 Dec 2025

Application No. : HP01150

Certificate of Calibration

Applicant : Cinotech Consultants Limited
RM 1710, Technology Park,
18 On Lai Street,
Shatin, N.T., Hong Kong

Sample Description : Submitted equipment stated to be Integrating Sound Level Meter.

Equipment No.: : N-12-11

Manufacturer: : BSWA Technology

Other information :

Model No.	BSWA 308
Serial No.	620258
Microphone No.	620749

Date Received : 18 Dec 2025

Test Period : 18 Dec 2025 to 18 Dec 2025

Test Requested : Performance checking for Sound Level Meter

Test Method : The Sound Level Calibrator has been calibrated in accordance with the documented procedures and using standard and instrument which are recommended by the manufacturer, or equivalent.

Test conditions : Room Temperature: 22-25 degree Celsius
Relative Humidity: 35-70%

Test Result : Refer to the test result(s) on page 2.

Remark : 1. Information of the sample description provided by the Applicant.
2. The result(s) relate only to the items tested or calibrated.

For and on behalf of
HIGH PRECISION CHEMICAL TESTING LIMITED

Lee Wai Kit
Laboratory Manager

High Precision Chemical Testing Ltd.

Rm 1904, Technology Park

18 On Lai Street, Shatin

NT, Hong Kong

Tel: +852 3841 4388 Website: <https://www.hpct.com.hk>

Report No. : 01343

Issue Date : 19 Dec 2025

Application No. : HP01150

Certificate of CalibrationMeasuring
equipment

Description	Sound Calibrator
Manufacturer	Brüel & Kjær
Model No.	TYPE 4231
Serial No.	2326353
Equipment No.	N-02-01

Test Result :

Reference value, dB	Indication value, dB	Deviation, dB	Allowed deviation, dB
94.0	94.0	± 0.0	± 1.5
114.0	114.1	+ 0.1	± 1.5

- Note** : 1. "Instrument Readings" presents the figures shown on item under calibration / checking regardless of equipment precision or significant figures.
2. The indication value was obtained from the average of ten replicated measurement.

- End of report -

High Precision Chemical Testing Ltd.

Rm 1904, Technology Park

18 On Lai Street, Shatin

NT, Hong Kong

Tel: +852 3841 4388 Website: <https://www.hpct.com.hk>



Report No. : 01305

Issue Date : 25 Nov 2025

Application No. : HP01127

Certificate of Calibration

Applicant : Cinotech Consultants Limited
RM 1710, Technology Park,
18 On Lai Street,
Shatin, N.T., Hong Kong

Sample Description : Submitted equipment stated to be Integrating Sound Level Meter.

Equipment No.: : N-12-12

Manufacturer: : BSWA Technology

Other information :

Model No.	BSWA 308
Serial No.	620116
Microphone No.	620330

Date Received : 21 Nov 2025

Test Period : 24 Nov 2025 to 24 Nov 2025

Test Requested : Performance checking for Sound Level Meter

Test Method : The Sound Level Calibrator has been calibrated in accordance with the documented procedures and using standard and instrument which are recommended by the manufacturer, or equivalent.

Test conditions : Room Temperature: 22-25 degree Celsius
Relative Humidity: 35-70%

Test Result : Refer to the test result(s) on page 2.

Remark : 1. Information of the sample description provided by the Applicant.
2. The result(s) relate only to the items tested or calibrated.

For and on behalf of
HIGH PRECISION CHEMICAL TESTING LIMITED

Lee Wai Kit
Laboratory Manager

High Precision Chemical Testing Ltd.

Rm 1904, Technology Park

18 On Lai Street, Shatin

NT, Hong Kong

Tel: +852 3841 4388 Website: <https://www.hpct.com.hk>

Report No. : 01305

Issue Date : 25 Nov 2025

Application No. : HP01127

Certificate of CalibrationMeasuring
equipment

Description	Sound Calibrator
Manufacturer	Brüel & Kjær
Model No.	TYPE 4231
Serial No.	2326353
Equipment No.	N-02-01

Test Result :

Reference value, dB	Indication value, dB	Deviation, dB	Allowed deviation, dB
94.0	94.0	± 0.0	± 1.5
114.0	114.1	+ 0.1	± 1.5

- Note** : 1. "Instrument Readings" presents the figures shown on item under calibration / checking regardless of equipment precision or significant figures.
2. The indication value was obtained from the average of ten replicated measurement.

- End of report -